

REMARKS

This amendment is responsive to the Office Action mailed August 10, 2004. As indicated above, Claims 24, 25 and 27 have been amended, Claim 34 has been cancelled, and new Claims 35 and 36 have been added. Claims 24-33 and 35-36 are pending in the application.

Applicant has carefully considered the prior art and submits that the claims presented above are patentable over the prior art. In the August 10, 2004 Office Action, the Examiner states that the mixing stage disclosed by Hasler is for an FM radio receiver. Claim 24, as presented above, concerns a receiver circuit that receives and acts on an amplitude modulated (AM) carrier signal. There are fundamental distinctions between frequency modulation and amplitude modulation. For at least this reason, Claims 24-33 are patentably distinguished over Hasler. The remaining references cited by the Examiner, including Minakuchi et al., Forster, Brekelmans, and Gerz, do not overcome the deficiency in the Hasler reference. Accordingly, Claims 24-33 should be allowed.

Claim 34 has been cancelled and replaced by new Claims 35 and 36. The Examiner previously rejected Claim 34 over Hasler in view of Minakuchi et al., Forster, and Gerz. While the rejection of Claim 34 is now moot, applicant has carefully considered these references and submits that the elements set forth in Claims 35 and 36 patentably distinguish the claimed invention over these references. That the Gerz reference includes a narrow band filter for suppressing noise in a signal is inapposite to the claimed invention. Furthermore, applicant submits that the Hasler, Minakuchi, Forster and Gerz references are not combinable as suggested in the Office Action to support an obviousness rejection.

CONCLUSION

Applicant respectfully requests reconsideration of the application and allowance of Claims 24-33 and 35-36 as presented above. In the meantime, should the Examiner have any

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questions or comments needing resolution, the Examiner is invited to contact applicant's attorney at the telephone number indicated below.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to **Mail Stop Amendment**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date.

Date: February 10, 2005



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